bstract

BRUHAT BANGALORE MAHANAGARA PALIKE

KODIGEHALLI SUB DIVISION- WARD 7 BYATARAYANAPURA

Name of work — Improvements to roads & drains from D Pillappa layout to amruthahalli lake bund road in amruthahalli in ward no.07 Byataranapura.

Job code — 007-20-000092

P-code — 3726

Agency — Sri.Vishnu .M.Gowda

First and final bill

Sl NO	Description	unit	Qty	RATE	AMOUNT
1	Removing and refixing stone slabs of drains and pointing in CM(1:3),				
	Name of work	sqm			
	Improvements to roads & drains from D Pillappa layout to amruthahalli lake bund road in amruthahalli in ward no.07 Byataranapura.				
	Present Qty		87.75		
	Previous Qty		0.00		
	Total Qty		87.75		
	BOQ Qty		87.75		
	Qty for payment		87.75	100.00	8775.00
2	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202				
	Name of work	cum			
	Improvements to roads & drains from D Pillappa layout to amruthahalli lake bund road in amruthahalli in ward no.07 Byataranapura. .				
	Present Qty		331.50		
	Previous Qty		0.00		
	Total Qty		331.50		
	BOQ Qty		331.50		
	Qty for payment		331.50	350.00	116025.00
3	Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications..				
	Name of work	cum			
	Improvements to roads & drains from D Pillappa layout to amruthahalli lake bund road in amruthahalli in ward no.07 Byataranapura. .				
	Present Qty		384.15		
	Previous Qty		0.00		
	Total Qty		384.15		
	BOQ Qty		384.15		
	Qty for payment		384.15	120.00	46098.00

Actually N.D AE (Tech)

(Contractor)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 5[illegible]

4	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs, with 20 mm and down size graded granite matel coarse aggregates @ 0.878 cum and fine aggragtes @ 0.53cum, machine mixed concrete laid in layers not eceeding 15 cms, thick well compacted, in foundation, plinth and cills including cost of all materials, labour HOM machinery curing complate as per specifications.				
	Name of work	cum			
	Improvements to roads & drains from D Pillappa layout to amruthahalli lake bund road in amruthahalli in ward no.07 Byataranapura. .				
	Present Qty		1.95		
	Previous Qty		0.00		
	Total Qty		1.95		
	BOQ Qty		1.95		
	Qty for payment		1.95	5500.00	10725.00
5	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications.				
	Name of work	cum			
	Improvements to roads & drains from D Pillappa layout to amruthahalli lake bund road in amruthahalli in ward no.07 Byataranapura. .				
	Present Qty		171.60		
	Previous Qty		0.00		
	Total Qty		171.60		
	BOQ Qty		171.60		
	Qty for payment		171.60	3800.00	652080.00
6	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular slabs /side walls polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge.				
	Name of work	sqm			
	Improvements to roads & drains from D Pillappa layout to amruthahalli lake bund road in amruthahalli in ward no.07 Byataranapura. .				
	Present Qty		44.20		
	Previous Qty		0.00		
	Total Qty		44.20		
	BOQ Qty		44.20		
	Qty for payment		44.20	350.00	15470.00

Asstt. E.E
AE(W)

(Contractor)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

7	ient concrete pavement.Construction of un-reinforced plain cement oncrete pavements using grade concrete M30 over a prepared base with OPC c se aggregate at 0.69 cum, fine aggregate at 0.46 cum, coarse and fine aggregate confirming to IS:383-2016, with superplastisiser @3lts confirming to IS9103-2008 mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades textured machine, and curing including cost of all materials, labour, hire charges of machineries, all lead and lift charges etc.., complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum)				
	Name of work	cum			
	Improvements to roads & drains from D Pillappa layout to amruthahalli lake bund road in amruthahalli in ward no.07 Byataranapura. .				
	Present Qty		110.50		
	Previous Qty		0.00		
	Total Qty		110.50		
	BOQ Qty		110.50		
	Qty for payment		110.50	6500.00	718250.00
8	Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cst of generator, HOM of machinery screed vibaratory, power floater, blade and disc etc., with all leads and lift				
	Name of work	sqm			
	Improvements to roads & drains from D Pillappa layout to amruthahalli lake bund road in amruthahalli in ward no.07 Byataranapura. .				
	Present Qty		1105.00		
	Previous Qty		0.00		
	Total Qty		1105.00		
	BOQ Qty		1105.00		
	Qty for payment		1105.00	100.00	110500.00
9	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete10cms thick				
	Name of work	sqm			
	Improvements to roads & drains from D Pillappa layout to amruthahalli lake bund road in amruthahalli in ward no.07 Byataranapura. .				
	Present Qty		9.75		
	Previous Qty		0.00		
	Total Qty		9.75		
	BOQ Qty		9.75		
	Qty for payment		9.75	950.00	9262.50

(Contractor)

AE(Civil)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palik
Bangalore - 560 092

Abstract

10	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 of size 450x150x500 mm and finished with CM 1:3 plastering and finishing cutting etc., complete				
	Name of work	nos			
	Improvements to roads & drains from D Pillappa layout to amruthahalli lake bund road in amruthahalli in ward no.07 Byataranapura. .				
	Present Qty		293.00		
	Previous Qty		0.00		
	Total Qty		293.00		
	BOQ Qty		295.00		
	Qty for payment		293.00	400.00	117200.00
11	Providing and applying ready mix priming coat over ocncrete / masonry, / asbestos cement sheet / plastered surfaces includding preparing the surface after thorougly cleaning of oil, grease, dirt and other foreign matter and sand papering including cost of materials, labour compelte as per specifications				
	Name of work	sqm			
	Improvements to roads & drains from D Pillappa layout to amruthahalli lake bund road in amruthahalli in ward no.07 Byataranapura. .				
	Present Qty		131.85		
	Previous Qty		0.00		
	Total Qty		131.85		
	BOQ Qty		132.75		
	Qty for payment		131.85	40.00	5274.00
12	Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH				
	Name of work	cum			
	Improvements to roads of shabarinagara & surrounding areas in ward no.07 Byataranapura				
	Present Qty		715.65		
	Previous Qty		0.00		
	Total Qty		715.65		
	BOQ Qty		715.65		
	Qty for payment		715.65	100.00	71565.00
			TOTAL		1881224.50

Assistant Engineer
Ward No.07

Assistant Executive Engineer
Kodigehalli Sub division

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Executive Engineer
Byatarayanapura Division

(Contractor)

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work: Improvements to roads & drains from D Pillappa layout to amruthahalli lake bund road in amruthahalli in ward no.07 Byataranapura.

Measurements

Estimate cost: 25.00 lakhs

Ward 7 byatarayanapura

BRUHAT BANGALORE MAHANAGARA PALIKE
KODIGEHALLI SUB DIVISION- WARD 7 BYATARAYANAPURA

Agency — Sri.Vishnu M.Gowda

Name of work: Improvements to roads & drains from D Pillappa layout to amruthahalli lake bund road in amruthahalli in ward no.07 Byataranapura.

Work order Amount:-1882060.50

Sl NO	Description of work	ch	No	L	B	D	QTY
1	**Removing and refixing stone slabs of drains and pointing in CM(1:3)**						
	Mungurappa layout	sqm					
		0-30	1	28.00	0.75		21.00
		30-60	1	28.00	0.75		21.00
		60-90	1	26.00	0.75		19.50
		90-120	1	27.00	0.75		20.25
		120-130	1	8.00	0.75		6.00
						sqm	87.75
2	**Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications.**						
		cum					
	Dpillappa layout	0-15	1	15.00	4	0.30	18.00
		15-30	1	15.00	4.6	0.30	20.70
		30-45	1	15.00	3.8	0.30	17.10
		45-60	1	15.00	4.5	0.30	20.25
		60-75	1	15.00	4	0.30	18.00
		75-90	1	15.00	4	0.30	18.00
		90-101	1	11.00	4.2	0.30	13.86
	Aswath katte	0-15	1	15.00	6.15	0.30	27.68
		0-8.4	1	8.40	6.35	0.30	16.00
							169.59
	Road towards Jakkur muslim colony						
		0-30	1	30.0	4.5	0.3	40.50
		30-60	1	30.0	4.7	0.3	42.30
		60-90	1	30.0	5.0	0.3	45.00
		90-120	1	23.0	5.0	0.3	34.50
							162.30
						cum	331.89
						Ltd to	331.50

Verified
NDD DE(Tech) 03/8/2020

Verified
NDD 5/8/2020

Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P.

Assistant Executive Engineer, Kodigehalli Sub Division,

(Contractor)

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

3	Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications..						
	Dpillappa layout						
		0-15	1	15	4	0.3	18.00
		15-30	1	15	4.6	0.3	20.70
		30-45	1	15	3.8	0.3	17.10
		45-60	1	15	4.5	0.3	20.25
		60-75	1	15	4	0.3	18.00
		75-90	1	15	4	0.3	18.00
		90-101	1	11	4.2	0.3	13.86
	Aswath katte	0-15	1	15	6.15	0.3	27.68
		0-8.4	1	8.4	6.35	0.3	16.00
							169.59
	Road towards Jakkur muslim colony						
		0-30	1	30	4.5	0.3	40.50
		30-60	1	30	4.7	0.3	42.30
		60-90	1	30	5	0.3	45.00
		90-120	1	23	5	0.3	34.50
							162.30
	Desilting of drains Mungurappa layout						
		0-30	1	30	0.6	0.6	10.80
		30-60	1	30	0.6	0.6	10.80
		60-90	1	30	0.6	0.6	10.80
		90-120	1	30	0.6	0.6	10.80
		120-130	1	10	0.6	0.6	3.60
							46.80
	Placing of kerbs	0-30	1	30	0.45	0.1	1.35
		30-60	1	30	0.45	0.1	1.35
		60-90	1	30	0.45	0.1	1.35
		90-120	1	30	0.45	0.1	1.35
		120-130	1	10	0.45	0.1	0.45
							5.85
						cum	384.54
						Qty Ltd to	384.15
4	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs, with 20 mm and down size graded granite matel coarse aggregates @ 0.878 cum and fine aggragtes @ 0.53cum, machine mixed concrete laid in layers not eceeding 15 cms, thick well compacted, in foundation, plinth and cills including cost of all materials, labour HOM machinery curing complate as per specifications.						

Assistant Engineer

(Contractor)

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

	For coping on side walls of drains	cum				
	Mungurappa layout main road					
		0-30	1	30	0.15	0.1	0.45
		30-60	1	30	0.15	0.1	0.45
		60-90	1	30	0.15	0.1	0.45
		90-120	1	30	0.15	0.1	0.45
		120-130	1	10	0.15	0.1	0.15
						cum	1.95
5	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications.						
	Dpillappa layout						
		0-15	1	15	4	0.15	9.00
		15-30	1	15	4.6	0.15	10.35
		30-45	1	15	3.8	0.15	8.55
		45-60	1	15	4.5	0.15	10.13
		60-75	1	15	4	0.15	9.00
		75-90	1	15	4	0.15	9.00
		90-101	1	11	4.2	0.15	6.93
	Aswath katte	0-15	1	15	6.15	0.15	13.84
		0-8.4	1	8.4	6.35	0.15	8.00
							84.79
	Road towards Jakkur muslim colony						
		0-30	1	30	4.5	0.15	20.25
		30-60	1	30	4.7	0.15	21.15
		60-90	1	30	5	0.15	22.50
		90-120	1	23	5	0.15	17.25
							81.15
	Placing of kerbs	0-30	1	67	0.45	0.1	3.02
		30-60	1	67	0.45	0.1	3.02
		60-90	1	67	0.45	0.1	3.02
		90-120	1	67	0.45	0.1	3.02
		120-130	1	25	0.45	0.1	1.13
							13.19
						cum	179.13
						Qty Ltd to	171.6

Assistant Executive Engineer, Kodigehalli Sub Division, B.B.M.P.

Assistant Executive Engineer

Assistant Executive Engineer, Kodigehalli Sub Division, B.B.M.P.

Assistant Executive Engineer, Kodigehalli Sub Division,

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike

6	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular slabs /side walls polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge						
	Road sides						
	Dpillappa layout SQM						
		0-15	2	15	0.1		3.00
		15-30	2	15	0.1		3.00
		30-45	2	15	0.1		3.00
		45-60	2	15	0.1		3.00
		60-75	2	15	0.1		3.00
		75-90	2	15	0.1		3.00
		90-101	2	11	0.1		2.20
	Aswath katte	0-15	2	15	0.1		3.00
		0-8.4	2	8.4	0.1		1.68
	Road towards Jakkur muslim colony						
		0-30	2	30	0.1		6.00
		30-60	2	30	0.1		6.00
		60-90	2	30	0.1		6.00
		90-120	2	23	0.1		4.60
				Sqm			47.48
				Qty Ltd to			44.2

Assistant Executive Engineer

(Contractor)

NDP
AEE(W)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

7	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavements using grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregate at 0.46 cum, coarse and fine aggregate confirming to IS:383-2016, with superplastisiser @3lts confirming to IS9103-2008 mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades textured machine, and curing including cost of all materials, labour, hire charges of machineries, all lead and lift charges etc.., complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum						
	Dpillappa layout cum						
	Dpillappa layout	SQM					
		0-15	1	15	4	0.1	6.00
		15-30	1	15	4.6	0.1	6.90
		30-45	1	15	3.8	0.1	5.70
		45-60	1	15	4.5	0.1	6.75
		60-75	1	15	4	0.1	6.00
		75-90	1	15	4	0.1	6.00
		90-101	1	11	4.2	0.1	4.62
	Aswath katte	0-15	1	15	6.15	0.1	9.23
		0-8.4	1	8.4	6.35	0.1	5.33
							56.53
	Road towards Jakkur muslim colony						
		0-30	1	30	4.5	0.1	13.50
		30-60	1	30	4.7	0.1	14.10
		60-90	1	30	5	0.1	15.00
		90-120	1	23	5	0.1	11.50
							54.10
						cum	110.63
						Qty Ltd to	110.5

Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P.

KUDP DE(WS) 27/10/2020

(Contractor)

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore

8	Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cst of generator, HOM of machinery screed vibaratory, power floater, blade and disc etc., with all leads and lift.					
	Dpillappa layout	SQM				
		0-15	1	15	4	60.00
		15-30	1	15	4.6	69.00
		30-45	1	15	3.8	57.00
		45-60	1	15	4.5	67.50
		60-75	1	15	4	60.00
		75-90	1	15	4	60.00
		90-101	1	11	4.2	46.20
	Aswath katte	0-15	1	15	6.15	92.25
		0-8.4	1	8.4	6.35	53.34
						565.29
	Road towards Jakkur muslim colony					
		0-30	1	30	4.5	135.00
		30-60	1	30	4.7	141.00
		60-90	1	30	5	150.00
		90-120	1	23	5	115.00
						541.00
						1106.29
					sqm	1105.00
9	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete10cms thick					
	Mungurappa layout	sqm				
		0-30	1	2.00	0.75	1.50
		30-60	1	2.00	0.75	1.50
		60-90	1	3.00	0.75	2.25
		90-120	1	3.00	0.75	2.25
		120-130	1	5.00	0.75	3.75
					sqm	11.25
					Qty Ltd to	9.75
10	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 of size 450x150x500 mm and finished with CM 1:3 plastering and finishing cutting etc., complete					
	Mungurappa layout	nos				
		0-30	1	67		67
		30-60	1	67		67
		60-90	1	67		67
		90-120	1	67		67
		120-130	1	25		25
					nos	293.00

Assistant Executive Engineer, Kodigehalli Sub Division.

Assistant Engineer

Page 6

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mananagara Palike
Bangalore - 560 092

11	:Providing and applying ready mix priming coat over ocncrete / masonry, / asbestos cement sheet / plastered surfaces includding preparing the surface after thorougly cleaning of oil, grease, dirt and other foreign matter and sand papering including cost of materials, labour compelte as per specifications					
	Mungurappa layout	Sqm				
		0-30	1	67	0.45	30.15
		30-60	1	67	0.45	30.15
		60-90	1	67	0.45	30.15
		90-120	1	67	0.45	30.15
		120-130	1	25	0.45	11.25
					sqm	131.85
12	Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Item No. 2.5.3					
						716.04

Assistant Engineer
Ward 07

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Executive Engineer
Byatarayanapura Division

Assistant Executive Engineer
Kodigehalli Sub Division
Bangalore

(Contractor)